

A B S T R A C TMOTOR VEHICLE WHEEL ANTISKID AND ANTILOCK DEVICE USING  
THE BRAKING CIRCUIT

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A braking system comprises one or more brake cylinders (100, 200, 300, 400) each associated with one or more wheels, a fluid supply (10), and a brake control  
10 (14) for commanding the feeding of fluid to the cylinder or cylinders via one or more brake valves and one or more brake pipes (44, 46). The system also comprises a function selector (50) adapted to adopt an antislip mode position (50A) or antilock mode positions in which it  
15 connects a branch pipe (52) to a fluid feed pipe (54) or to a return line (56) and a control valve (110, 210, 310, 410) for the or each brake cylinder adapted to adopt a normal braking position (100A, 210A, 310A, 410A) to  
20 connect the cylinder to the brake pipe (44, 46) and one or more special mode positions (110B, 210B, 310B, 410B) to connect the cylinder to the branch pipe (52) that the function selector connects to the return line or to the feed. The system further comprises means (120, 220, 320, 420, UC) for detecting wheelspin or a wheel tending to  
25 lock and for commanding the function selector (50) and the control valve associated with the brake cylinder associated with that wheel accordingly.

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Translation of the title and the abstract as they were when originally filed by the  
35 Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.